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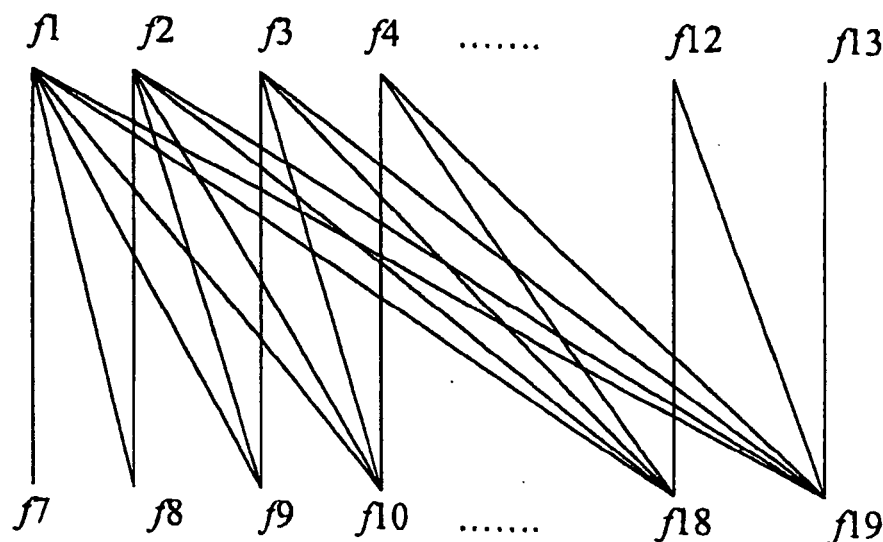
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(54) **Continuous dual tone controlled squelch system**

(57) The continuous dual tone controlled squelch system may use dual frequency tones to increase continuous tone controlled squelch system channel capacity in a frequency bandwidth of approximately 67 Hz to 251 Hz. Each frequency intermediate each adjacent frequen-

cy channel of an existing continuous tone controlled squelch system may be selected. Each frequency so selected that may be less than 100 Hz or greater than 200 Hz may then be eliminated. Then all combinations of two of the frequencies remaining may be selected as dual frequency tones.



**FIGURE 1**



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Office

# EUROPEAN SEARCH REPORT

Application Number  
EP 04 01 5711

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 2002/102956 A1 (LEE KON-HEE [KR] ET AL) 1 August 2002 (2002-08-01) * paragraph [0016] * * paragraph [0020]; figures 1,4 * -----	1	INV. H03G3/00
A	US 5 247 703 A (ENGLERT JOHN W [US] ET AL) 21 September 1993 (1993-09-21) * column 7, line 21 - line 29 * -----	1	
A	US 4 358 737 A (BENNETT ROBERT M) 9 November 1982 (1982-11-09) * column 1, line 12 - line 45 * -----	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			H03G H04B H04Q
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		27 November 2006	Blaas, Dirk-Luetjen
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 01 5711

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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27-11-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002102956 A1	01-08-2002	NONE	
US 5247703 A	21-09-1993	NONE	
US 4358737 A	09-11-1982	CA 1164960 A1	03-04-1984

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82